

19980913.qrp v01_n213.qrs.980913

Date: Sun, 13 Sep 1998 19:03:18 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1213

QRP-L Digest 1213

Topics covered in this issue include:

- 1) [19952] Many thanks to all
by RangerSF5@aol.com
- 2) [19953] Transistor question
by RangerSF5@aol.com
- 3) [19954] Amplifier Gripes
by "Randy Jouett" <nop@swbell.net>
- 4) [19955] Zack?
by Dave Fifield <fifield@pacbell.net>
- 5) [19956] Re: Small loop beam ant?
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 6) [19957] Re: Zack?
by n5inz@juno.com (John M Andrews)
- 7) [19958] NERDS and Atlanta de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>
- 8) [19959] A day in the field
by Armstrongs <barmstrong@mail.SISNA.com>
- 9) [19960] Zomified 38 Special Powered by TiCK
by wb8ygg@juno.com
- 10) [19961] Winding the "Big Ones"
by mikemo@ibm.net
- 11) [19962] Great CW callsign
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 12) [19963] Re: QRP-L digest 1212
by af840@rgfn.epcc.edu (Chris W Brakhage)
- 13) [19964] Kit kapers
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 14) [19965] QSL Manager for HB0/HB9LEY
by w2bj@juno.com (Barry J Minsky)
- 15) [19966] SHOE GOO
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 16) [19967] RE: Winding the "Big Ones"
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 17) [19968] Re: A day in the field
by Ken LaRose <kenlar@csolve.net>
- 18) [19969] Re: Zomified 38 Special Powered by TiCK
by "Randy Jouett" <nop@swbell.net>
- 19) [19970] RE: Winding the "Big Ones"

by hsilver@pyx.net

20) [19971] RE: Small loop beam ant?
by Tracy@bytemark.com (Tracy)

21) [19972] Re: A day in the field
by "Bill Todd" <bill@willapabay.org>

22) [19973] Re: A day in the field
by "Bill Todd" <bill@willapabay.org>

23) [19974] RE: Small loop beam ant?
by Denton Bramwell W7DB <Denton@Bramwell.Org>

24) [19975] Nerds, shud be called BABA
by we6w@juno.com (Ed Loranger)

25) [19976] RE: Winding the "Big Ones"
by Denton Bramwell W7DB <Denton@Bramwell.Org>

26) [19977] Re: Bobtail (rotate it)
by "Bill Todd" <bill@willapabay.org>

27) [19978] Re: QRP contact
by "Bill Todd" <bill@willapabay.org>

28) [19979] Re: Winding the "Big Ones" (B&W is alive !)
by "Radman" <radman@best.com>

29) [19980] Re: Small loop beam ant?
by "Steve Yates, AA5TB" <aa5tb@swbell.net>

30) [19981] Re: Winding the "Big Ones"
by "Steve Yates, AA5TB" <aa5tb@swbell.net>

31) [19982] B&W's apartment/travel antenna (?)
by "Radman" <radman@best.com>

32) [19983] Re: Bobtail (rotate it)
by w4pj@w4bkx.ampr.org

33) [19984] RE: Winding the "Big Ones"
by David Fouchey <dafouche@jax-inter.net>

34) [19985] Re: Winding the "Big Ones"
by "John J. McDonough" <jjmcd@tm.net>

35) [19986] qso
by bkobie@webtv.net (patrick obrien)

36) [19987] Re: Winding the "Big Ones"
by Roger Braker <msebrakr@telepath.com>

37) [19988] 11 to 10 conversion
by aa5yx@juno.com (John Harper AA5YX/2)

38) [19989] FS: Yaesu FT840
by "Ed Pacyna" <pacyna@worldnet.att.net>

39) [19990] Re: DDS VFOs
by n2tpa@juno.com (Bill d Lazure)

40) [19991] Key FS
by Jim Pulliam <pulljim@mindspring.com>

41) [19992] FS: Mini Key
by billrobb@net-link.net

42) [19993] 15 meters
by bob evinger <revinger@marshallonline.com>

43) [19994] NERDS Contest - The Bands Stunk! (or was it my antenna?)

- by "James R. Duffey" <jamesd1@flash.net>
- 44) [19995] Fun with QRP SSB
by joel malman <malman@world.std.com>
- 45) [19996] N2T0/Vanity Calls/and a few good calls
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 46) [19997] Re: Winding the "Big Ones"
by Steven Weber <kd1jv@moose.ncia.net>
- 47) [19998] QSL HB0/HB9LEY
by John Bohnert <johnb@elmhurst.edu>
- 48) [19999] RE: Winding the "Big Ones" (B&W is alive !)
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 49) [20000] Re: 11 to 10 conversion
by Steven Weber <kd1jv@moose.ncia.net>
- 50) [20001] 1998 Gaithersburg,MD Hamfest - the last one.
by "Benjamin F. Poinsett" <benmail@erols.com>
- 51) [20002] Pspice URL
by Jeff <fantbb@yahoo.com>
- 52) [20003] Resistor Question
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 53) [20004] Re: Small loop beam ant?
by w4bws@juno.com (Donald E Sanders)
- 54) [20005] Re: 1998 Gaithersburg,MD Hamfest - the last one.
by w4bws@juno.com (Donald E Sanders)
- 55) [20006] Inverted vee feed line
by "Cho" <sungch@earthlink.net>
- 56) [20007] Re: B&W's apartment/travel antenna (?)
by af852@rgfn.epcc.edu (William R Colbert)
- 57) [20008] QRP vs "Powa!"
by nilsbull@juno.com (Nils R Young)
- 58) [20009] FS: antenna book
by Rich Bachmann <bachmann@ari.net>
- 59) [20010] Pixie - Finally me too!
by Tim Ahrens <tahrens@inetport.com>
- 60) [20011] Re: 1998 Gaithersburg,MD Hamfest - the last one.
by "Beaks" <beaks@westco.net>
- 61) [20012] ARGO and LDG sold!
by "Larry Laffoon" <w3rl@email.msn.com>
- 62) [20013] FS: antenna book
by Rich Bachmann <bachmann@ari.net>
- 63) [20014] Re: QRP vs "Powa!"
by Bruce Rattray <rattray@gpfn.sk.ca>
- 64) [20015] Re: N2T0/Vanity Calls/and a few good calls
by Mike - W0TMW <crucis@sky.net>
- 65) [20016] Antenna? did some say "Antenna"?
by nhoop@centuryinter.net (N H)
- 66) [20017] Re: Winding the "Big Ones"
by we6w@juno.com
- 67) [20018] Re: Pixie - Finally me too!

by we6w@juno.com

Date: Sat, 12 Sep 1998 19:38:57 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19952] Many thanks to all
Message-ID: <5a52ad9c.35fb0611@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

I just got in and had a full mail box in regards to my resistor question.
Just to many to thank all of you one at a time.

As to why I want to ust the metal oxide type,after looking at many of the
standard carbon type under a 35X glass I saw to many flaws and also
measurements on several were more then 200 ohms apart.

Thanks a million for all your help

Bob

WA2HOQ

Date: Sat, 12 Sep 1998 19:52:43 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19953] Transistor question
Message-ID: <d526b3a2.35fb094b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

Well,

Now i need info on transistors.

I used to do a lot of mods and used the 2N3904 in the YAESU (older rigs) for
more RX gain.The 2N3904's then were of the metal type.

I been shopping all day today looking for the metal type but all I was able to
locate were the plastic ones.

>From playing around with the plastic type,I found that if you bought 12 of
them,you may end up with 12 different gain figures.

I'll be using these in driver stages and the last thing I need is an unstable
transistor acting up on me.

Does anyone know if there is a reliable replacement for this 2N3904?

Again,

Many thanks in advance
Bob
WA2HQQ

Date: Sat, 12 Sep 1998 19:18:45 -0500
From: "Randy Jouett" <nop@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19954] Amplifier Gripes
Message-ID: <003401bddeac\$5dfaca60\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was just browsing through an old QST mag and I noticed an advertisement stating that their 2mtr Linear Amplifier was FM-mode only. Why in the heck would an amplifier manufacturer bias an FM amp class AB and not class C? Why would they want to lose efficiency? This does not make any sense to me, and I sure as heck wouldn't purchase an amplifier from a company that said that their FM-only amp was linear.

Also, how about some of the manufacturers saying that they sell "linears"; not linear amplifiers. Is it just me, or do others get into the "DUH! GOLLY GEE!" mode when they see things like this written in the ham rags?

Randy AB5NI
nop@swbell.net

Date: Sat, 12 Sep 1998 17:31:57 -0700
From: Dave Fifield <fifield@pacbell.net>
To: QRP List <qrp-1@Lehigh.EDU>
Subject: [19955] Zack?
Message-ID: <35FB127D.41FA@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone heard how Zack Lau, W1VT is getting on?
I haven't heard anything since the middle of last

week (he suffered a stroke, in case you didn't hear already). Let's hope he makes a full recovery and soon!

Dave Fifield, AD6AY

Date: Sat, 12 Sep 1998 20:45:00 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19956] Re: Small loop beam ant?
Message-ID: <Pine.GS0.3.96.980912203525.25252I-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Would it be possible to make a beam antenna with a small cap loaded Tx loop
> by adding a second loop behind the first? Sort of like a quad but smaller?

The search for the micro-beam is eternal. Although elements can be radically shortened by judicious means and still keep a goodly part of their gain, parasitic elements have limits of spacing to achieve directional effects. Two antennas brought close together with one fed usually simply act like a single element--or, if separated in resonance, act like one antenna for each frequency with the unfed one being open sleeve (or "shock") coupled. Parasitical elements also further lower the dource impedance of the fed element.

It is possible to phase-feed elements at fairly close spacing to achive directional effects, but I have never read of this being confirmed for small loops (<1/4 wl circumference). It would likely require carefully tuned networks for each element. Since these loops have very low gain to begin with, nulling a rear direction would be more likely than achieving any gain over a single loop. Since the field of a very small loop is off the edges, the proper alignment would be edge-to-edge, not face-to-face, as with a quad.

In short, working with very small loops is a quite different ball game from working with large loops, such as those used in quads.

Hope this is useful.

-73-

LB, W4RNL

Date: Sat, 12 Sep 1998 19:54:15 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [19957] Re: Zack?
Message-ID: <19980912.195415.3382.3.N5INZ@juno.com>

In the recent ARRL Newsletter, Zack seems to be much better and it infers that he is anxious to get back to a "normal" life.

Letters sent to the League wishing him well will be passed on as well as regular E-mail to his normal address being picked up by family.

72, John- N5INZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 12 Sep 1998 17:53:23 -0800
From: "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [19958] NERDS and Atlanta de AL7FS
Message-ID: <35FB2592.312D1724@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It was back to "normal" for me. At times even Seattle faded out. I worked six stations but I didn't knock myself out today. I was busy getting my travel station put together to take to Atlanta. QRP++, SW40+, BNC to SO239, 67 foot wire, 84 foot wire, 17 foot wire, extra wire, coax jumpers, ps w/batteries, tuner, kitano paddles, mini key (homebrew), regular key, string, OH, I FORGOT THE PINS for hanging an antenna on the walls of the room if I can't get out a window, Log book, pen, mini-DVM, dc cables, headphones, plug adaptor, clip leads, etc. I all goes in my small carry-on bag. I wonder what I am forgetting? I

know I don't have a fuse for the QRP++....maybe I should go find one.

Should be fun.

Sorry I did not work the world and the rest of the Lower 48 today.
Thanks for listening.

73, Jim, AL7FS
Anchorage, Alaska
NW QRP #9

Date: Wed, 05 Sep 1990 02:44:08 -0600
From: Armstrongs <barmstrong@mail.SISNA.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [19959] A day in the field
Message-ID: <1.5.4.32.19900905084408.006cd74c@mail.SISNA.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

12-year-old Mary is my best hiking buddy. Today we hiked to a pictoglyph panel deep in the San Rafael Desert. The site we visited is an isolated outcrop of dark red rock many miles from from the nearest town or village. It was so quiet there I could almost hear echos of the ancient desert dwellers who etched the stone 800 years ago. We were absolutely alone.

After marveling at strange drawings we climbed atop a huge boulder hundreds of feet above a desert creek. Swollen by recent rains, the muddy stream raged and foamed against brilliant red rocks. Above us a Golden Eagle circled silently, riding an updraft from the stone canyon. I stuck my walking stick antenna support into a crevice and extended it to 12 feet. There were no trees; the ends of my 20 meter dipole drooped to surrounding boulders.

I had just a few minutes to operate. I attached a solar panel and heard my little SST come alive. I listened and called CQ while Mary dug for beef jerky and crackers in my backpack. As I tapped out code I imagined my two watt signal traveling through time as well as space. Ken, VE3ELA/3 in Ontario dug me out and responded with a one watt. N7MFB/QRP in Washington State gave me a 569.

Is it silly to say that a tiny transceiver helped me feel close to the earth? Yet it was so. Ah, QRP!!

de N7XJ, Backpacker Bob in Central Utah

Date: Sat, 12 Sep 1998 22:58:22 -0400
From: wb8ygg@juno.com
To: qrp-1@Lehigh.EDU
Subject: [19960] Zomified 38 Special Powered by TiCK
Message-ID: <19980912.225823.10894.0.wb8ygg@juno.com>

<http://www.frontiernet.net/~embres/38S.jpg>

Ok, so I had a little fun with the new Zombie Picture!!
(Thanks to whomever called us Zombies!)

I finally finished the 38S by putting it into a case.. I know I'm 25
radios behind!

I had a Super TiCK proto laying around, so in the 38S it went!
I'll try getting the antenna back up tomorrow.. We had a windy time
earlier in the week!!!

73

"One of the TiCK Guys"
Brad WB8YGG
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 12 Sep 1998 23:04:00 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [19961] Winding the "Big Ones"
Message-ID: <35FB3620.2D1B@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In an attempt to acheive "balance" I started construction of a link

coupled tuner. This design has one 48 turn coil that is seperated into 3 different sections after it is wound. Ok, 48 turns of #14 solid wire, 8 turns per inch, 2" in diameter. My attempts at winding this coil have all ended in frustration (made some cool copper slinkys though). Any secrets on an easy way to do this that provides good results?

The construction notes say to use a B&W 3026 Miniductor stock. Is this the secret? Where does one get said "stuff"?

Thanks and 72

de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Sat, 12 Sep 1998 23:11:14 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [19962] Great CW callsign
Message-ID: <35FB37D2.281ED935@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had been WB2GHA ever since my original Novice call of WN2GHA converted back in 1976. With the coming of the opportunity for Extra Class ops to once again get 1x2 calls I took a look at the list. The call I wanted was W2TA to get my initials and I filled out the list of 25 further possibles with anything that looked short and sweet for CW operation. I was surprised to see N2EI still availible after all these years. In the end I got N2EI and have been very happy. It has a great "swing" that is easy to follow. After trying to send WB2GHA for all those years it is a pleasure. (Even speaking WB2GHA very often would get interpreted as WB2JHA so N2EI is also beter on phone)

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 NJ-QRP #155 G-QRP #10055
NORCAL ZOMBIE #122 ARRL Life Member

QRP RIGS: HW-7, HW-8, FT-301S
KITS IN PROGRESS - Ten-Tec 1330, KnightSMiTe "Pixie"

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 12 Sep 1998 21:31:39 -0600 (MDT)
From: af840@rgfn.epcc.edu (Chris W Brakhage)
To: qrp-l@Lehigh.EDU
Subject: [19963] Re: QRP-L digest 1212
Message-ID: <199809130331.VAA14122@rgfn.epcc.edu>

Hi Bernard;
The thing is done. chris..

Date: Sat, 12 Sep 1998 23:29:59 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Bill Cole <billc@jerseycap.net>, Dave Marshall <n8oay@sprintmail.com>, Don Schimmel <dwschimpl@intrepid.net>, Ed Muro <KC2AYC@qsl.net>, John McColman <jmccolma@richmond.infi.net>, Jon Cohen <jon@pluto.njcc.com>, Lynn Burke <lburke@infi.net>, Mark Meece <mmeece@siscom.net>,
Cc: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, NJQRP Club <njqrp@njqrp.org>
Subject: [19964] Kit kapers
Message-ID: <35FB3C37.38ABF693@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Ten Tec 1330 is coming along slowly, mostly because I've been busy with a project at work. I was also slowed by a few places in the manual that forced me to back track. Thier description of how to temporarily couple the VFO to the receiver for testing really leaves a lot to be desired. (Note.. look closely at the circuit board, it is easy to interpret the pictures to have the coupling capacitor go to a null connection) Everything's done and working now except the RF amp and final filtering need to be put in . Just have to wind a few toriods and I'll be ready to put it on the air.

Before I do that I'll need to get the "Rainbow" tuner built because I don't have a 30 meter wire up yet. I have the enclosure kit so things will look really nice since the ten tec and the Rainbo will have essentially matching black cases.

I've also got the Pixie to build (I have an Altoids box reserved) so my bench is pretty full right now...Just the way I like it.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRP-ARCI #8634 NJ-QRP #155 G-QRP #10055
NORCAL ZOMBIE #122 ARRL Life Member

QRP RIGS: HW-7, HW-8, FT-301S
KITS IN PROGRESS - Ten-Tec 1330, KnightSMiTe "Pixie"

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 12 Sep 1998 23:38:50 -0400
From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, dxpeditions@qth.net, qrp@qth.net, qrp-1@Lehigh.EDU, qrpp@qth.net
Subject: [19965] QSL Manager for HB0/HB9LEY
Message-ID: <19980912.233851.-272379.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I contacted HB0/HB9LEY tonight but missed the information about the QSL manager. Can anyone tell me where to send my QSL? Thank you for the help.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

Date: Sat, 12 Sep 1998 23:35:41 -0400

From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Cc: NJQRP Club <njqrp@njqrp.org>
Subject: [19966] SHOE GOO
Message-ID: <35FB3D8D.442B8266@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I has mentioned awhile back that i have had great success using sneaker repair "Shoe Goo" to set toroids. Somebody asked if I checked this goo out for RF transparency. After much explaining to the XYL, I place a large clump of the goo on a paper towel (let it dry) and rang it up in the microwave for about 5 minutes. It did not exhibit any heating so i guess it fits the billfor most applications.

I use this substance because it initially comes out of the tube flexible but thick when compared to other products. It pretty much stays put and has a slow enough drying cycle that it allows for adjustments. It also serves as an excellent "shock mount" for most toroid applications as these can be a weak link in a design beacuse of the thin wire that is often used in the application.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 NJ-QRP #155 G-QRP #10055
NORCAL ZOMBIE #122 ARRL Life Member

QRP RIGS: HW-7, HW-8, FT-301S
KITS IN PROGRESS - Ten-Tec 1330, KnightSMiTe "Pixie"

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 12 Sep 1998 21:39:12 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [19967] RE: Winding the "Big Ones"
Message-ID: <5103124387F8D11199DD00A0C925E4B91644@SQLMAILSERVER>

MIME-Version: 1.0
Content-Type: text/plain

I don't remember the last time I saw Miniductor stuff for sale. I think it has gone the way of the buffalo.

I've never done this, but the legend is that you can get good coils in the following manner: Get a dowel or rod of the proper diameter. Wrap a piece of paper around the dowel. Simultaneously, wind two coils, with the windings pushed snugly together. Firmly tie down both ends of one coil. Unwind the other. This leaves one nicely spaced coil on the form. Run a bead of Duco cement down the length of the coil. Let it set thoroughly. Turn the coil 90 degrees, and add another bead. Repeat until you have four beads of Duco (good electrical properties.... basically polystyrene dissolved in solvent). Slip the assembly off the form, and remove as much of the paper as you conveniently can. Coil finished.

NOW do you want to hear about lapping crystals to a new frequency? I've actually DONE that. :-)

-----Original Message-----

From: mikemo@ibm.net [mailto:mikemo@ibm.net]
Sent: Saturday, September 12, 1998 9:04 PM
To: Low Power Amateur Radio Discussion
Subject: Winding the "Big Ones"

In an attempt to acheive "balance" I started construction of a link coupled tuner. This design has one 48 turn coil that is seperated into 3 different sections after it is wound. Ok, 48 turns of #14 solid wire, 8 turns per inch, 2" in diameter. My attempts at winding this coil have all ended in frustration (made some cool copper slinkys though). Any secrets on an easy way to do this that provides good results?

The construction notes say to use a B&W 3026 Miniductor stock. Is this the secret? Where does one get said "stuff"?

Thanks and 72
de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Sat, 12 Sep 1998 23:39:59 -0700
From: Ken LaRose <kenlar@csolve.net>
To: qrp-l@Lehigh.EDU
Subject: [19968] Re: A day in the field

Message-ID: <35FB68BF.1DA2@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob & QRPers:

This afternoon was absolutely beautiful in Ontario. The weather cleared and the sun shone. I set up my HW-9 and W3EDP antenna in a county forest, near the village of Moonstone (ski country). It was so quiet, all you could hear was the wind whistling through the pines.

The idea was to play a little with the NERDS contest, but band conditions on 20m worked against me. I heard N7XJ/7 faintly calling CQ just above the noise level. I responded, not expecting Bob to hear me with my 1 watt, but he came right back. We had a quick QSO and said 73.

Then tried it with KB1CRC, but his signal just faded out and vanished. W0RT was next. Rick was camping in Roaring River State Park, MO. He was also using an HW-9, with a Hustler mounted on his roof racks! Kelly, WB0WQS answered my CQ TEST. We chatted while his 5W signal from a loop climbed to RST 599. My last contact was Dave, NF0R, also in MO, running 1 watt as well. We both had to strain our ears, as signals were marginal.

All in all, it was a great day to be outdoors, and I found myself taking frequent breaks to walk and explore the forest, and just enjoy the natural surroundings. It didn't matter if the radio didn't work!!

72, de Ken VE3ELA Midland, ON, Canada

Date: Sat, 12 Sep 1998 23:18:09 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <wb8ygg@juno.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19969] Re: Zomified 38 Special Powered by TiCK
Message-ID: <010301bddecdd\$84fdf620\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

><http://www.frontiernet.net/~embres/38S.jpg>

>

>
>Ok, so I had a little fun with the new Zombie Picture!!
>(Thanks to whomever called us Zombies!)

Checked out the jpg, and it looks nice, Brad! Is that a mailing label
that it's printed on?

>I finally finished the 38S by putting it into a case.. I know I'm 25
>radios behind!

Welcome to the club, Brad! :^). Hey -- what kinda' case is that, anyway?

>I had a Super TiCK proto laying around, so in the 38S it went!
>I'll try getting the antenna back up tomorrow.. We had a windy time
>earlier in the week!!!
>73
>
>"One of the TICK Guys"

How about, "I got TICKS!", or "We sell TICKS!" :^) :^) :^)

73 Brad,

Randy AB5NI
nop@swbell.net

Date: Sun, 13 Sep 1998 00:23:38 -0400 (EDT)
From: hsilver@pyx.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19970] RE: Winding the "Big Ones"
Message-ID: <Pine.LNX.3.95.980913002240.1722C-100000@matrix.pyx.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 12 Sep 1998, Denton Bramwell W7DB wrote:

>

> NOW do you want to hear about lapping crystals to a new frequency? I've
> actually DONE that. :-)

Yes please. It would be very helpful to me and
possibly others to know such information.
Thanks in advance.

Harley Silver

Date: Sun, 13 Sep 1998 00:36:33 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [19971] RE: Small loop beam ant?
Message-ID: <000601bdded0\$15de5ca0\$8a751ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
> True. How about just throwing a transmatch at it, leave out the
> tuning caps, add a couple of phasing lines? The transmatch
> shud make the rig happy, and he could take advantage the
> directivity of the loops. Heck. The way I see it, directivity
> and qrp shud go hand and hand, or am I missing something here?

Amidon has designs for Baluns down to 5.63 ohms... Some of the more
directive antennas are 12.5 ohms, for which we have a pre-made unit.

Sounds like fun!!
Tracy Markham N4LGH
ByteMark / Amidon
tracy@bytemark.com
www.bytemark.com
800 679-3184

Date: Sat, 12 Sep 1998 21:43:59 -0700
From: "Bill Todd" <bill@willapabay.org>

To: <barmstrong@mail.SISNA.com>
Cc: <nwq-1@scn.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19972] Re: A day in the field
Message-ID: <002001bdded1\$23dc1940\$315233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob, N7XJ/7 wrote:

>I had just a few minutes to operate. I attached a solar panel and heard my
>little SST come alive. I listened and called CQ while Mary dug for beef
>jerky and crackers in my backpack. As I tapped out code I imagined my two
>watt signal traveling through time as well as space. Ken, VE3ELA/3 in
>Ontario dug me out and responded with a one watt. N7MFB/QRP in Washington
>State gave me a 569.

Hi Bob - Yes it was a lousy day for propagation. I guess it goes that way
from time to time. Actually, you were the only strong signal on the band
today...so I guess the path between Bay Center, WA and Utah was pretty good.

My NERDS adventure at the park near my home, I netted me AK, UT, NM, MA and
a /mm in AK running QRO. Usually, I can count on getting at least 25 to 30
states in your typical 4-5 hour QRP contest.

Thanks for all of you QRPers for sticking with it today. Also, be sure to
send your log to Alan, KB7MBI...as you will most likely be in the award race
(hi).

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

-----Original Message-----

From: Armstrongs <barmstrong@mail.SISNA.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, September 12, 1998 7:08 PM
Subject: A day in the field

>12-year-old Mary is my best hiking buddy. Today we hiked to a pictoglyph
>panel deep in the San Rafael Desert. The site we visited is an isolated
>outcrop of dark red rock many miles from from the nearest town or village.
>It was so quiet there I could almost hear echos of the ancient desert
>dwellers who etched the stone 800 years ago. We were absolutely alone.
>
>After marveling at strange drawings we climbed atop a huge boulder hundreds
>of feet above a desert creek. Swollen by recent rains, the muddy stream

>raged and foamed against brilliant red rocks. Above us a Golden Eagle
>circled silently, riding an updraft from the stone canyon. I stuck my
>walking stick antenna support into a crevice and extended it to 12 feet.
>There were no trees; the ends of my 20 meter dipole drooped to surrounding
>boulders.

>

>

>Is it silly to say that a tiny transceiver helped me feel close to the
>earth? Yet it was so. Ah, QRP!!

>

>de N7XJ, Backpacker Bob in Central Utah

>

Date: Sat, 12 Sep 1998 21:46:47 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <kenlar@csolve.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19973] Re: A day in the field
Message-ID: <002501bdded1\$84d49f60\$315233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ken -

Thanks for taking part in the first NERDS contest. You are right about the
band conditions today. The band "sounded" fine, but I only heard a handful
of states, though signals DID pick up a bit later in the day (on 20 meters).

My three element 20 meter wire YAGI should have done the trick for me, but I
guess even "dream" antennas can't do it if Mr.. Prop doesn't cooperate (ha).

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Sat, 12 Sep 1998 22:53:19 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>

To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [19974] RE: Small loop beam ant?
Message-ID: <5103124387F8D11199DD00A0C925E4B91646@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

When dealing with small loops, think in terms of milliohms, not ohms.

The wiper resistance on most variable caps is around 20 milliohms, which makes them very lossy on small loops. You have to use caps made for especially low DC resistance.... much smaller than 20 milliohms.

-----Original Message-----

From: Tracy@bytemark.com [mailto:Tracy@bytemark.com]
Sent: Saturday, September 12, 1998 10:37 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Small loop beam ant?

>
> True. How about just throwing a transmatch at it, leave out the
> tuning caps, add a couple of phasing lines? The transmatch
> shud make the rig happy, and he could take advantage the
> directivity of the loops. Heck. The way I see it, directivity
> and qrp shud go hand and hand, or am I missing something here?

Amidon has designs for Baluns down to 5.63 ohms... Some of the more directive antennas are 12.5 ohms, for which we have a pre-made unit.

Sounds like fun!!
Tracy Markham N4LGH
ByteMark / Amidon
tracy@bytemark.com
www.bytemark.com
800 679-3184

Date: Sun, 13 Sep 1998 01:02:09 EDT
From: we6w@juno.com (Ed Loranger)
To: ardujenski@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [19975] Nerds, shud be called BABA
Message-ID: <19980912.220045.4863.0.we6w@juno.com>

Thats BABA: Build Antenna, Bleed again.

Boy did I bleed. (Ok minor cuts). Making those feedline spreaders while in a hurry (I forgot the contest was Saturday! Thought it was sunday so the parts I was to have prepared, weren't!)

So I couldn't find the hacksaw for making the PVC feedline spreaders. Had to use the backsaw. I didn't cut my shoe while holding the pipe, but I did cut the fingers a bit.

Had a great time with 3-1/2 hours left in the test by the time I got the TRI-WIRE modified 8jk built.

Wire is now my permanent antenna after I polished it up when the contest was over.

Here's my totals:

Standard exchange RST CA 5W

20M	2104Z	KK6MC/5	559	NM	5W	Sent:559	5	Points
40M	2134Z	WB6MFS	559	CA	5W		579	5 Pts.
40M	2136Z	W6ISX	569	CA	100W		579	5 Pts.
40M	2210Z	W6XF	579	NV	5W		579	5 Pts.
40M	2231Z	WA6UBE	579	CA	40W		579	5 Pts. (Trish will be a Pacificon.
20M	2327	AL7FS	549	AK	Nr:9		559	10 Pts.

Totals: 20:2 40:4 = 6
35 Points * 2 (5 Watts)=70 Points.

Thankyou!

Oh! The new antenna tunes Sharply from 80M to 10 Meters!

-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 12 Sep 1998 23:02:39 +0100

From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [19976] RE: Winding the "Big Ones"
Message-ID: <5103124387F8D11199DD00A0C925E4B91647@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

Well, one person had to ask, so here goes:

An FT-243 crystal can be ground upward in frequency fairly easily. All you need is a small piece of plate glass, and some fairly fine grinding grit. This style of quartz crystal needs to be a little thicker at the corners, so you can't carry this too far. I've had good luck up to about 50 KHz.

The procedure is simple. Just remove the crystal from its holder, put some grit on the plate glass, and put the crystal down flat on the grit. Put gentle pressure, with one finger, in the middle of the crystal. Move the crystal in a figure 8 pattern (this helps keep an even job) for a few minutes. Wash the crystal, and carefully clean it with alcohol. Any foreign material, or a fingerprint on the edge or face of the crystal, will stop oscillation. Check the frequency. Pretty soon, you'll get a good idea of how many "laps" it takes to move the crystal a given amount.

One friend (was that Alan Taylor? He was enough of a wildman.) tried etching quartz with hydrofluoric acid. Apparently that works well also, but HF is super nasty stuff.

-----Original Message-----

From: hsilver@pyx.net [mailto:hsilver@pyx.net]
Sent: Saturday, September 12, 1998 10:24 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Winding the "Big Ones"

On Sat, 12 Sep 1998, Denton Bramwell W7DB wrote:

>

> NOW do you want to hear about lapping crystals to a new frequency?

I've

> actually DONE that. :-)

Yes please. It would be very helpful to me and possibly others to know such information.
Thanks in advance.

Harley Silver

Date: Sat, 12 Sep 1998 22:04:08 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <w4pj@w4bkx.ampr.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19977] Re: Bobtail (rotate it)
Message-ID: <005001bdded3\$f1cf43c0\$315233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>There was an article - don't remember where/when, but basically
>the idea was "Rotate" your half-square antenna. A half-square
>is a 2-legged bobtail.

Hi Scott -

Thanks for you info on rotating the Bobtail curtain by using 450 ohm ladder
line and the switch. It sounds like an interesting concept.
As per your drawing, I wonder about the matching section device that is part
of the original Bobtail Curtain antenna design - the one at the base of the
center (driven) element

Are you concluding that this matching section is not longer required with
the use of the 450 ohm ladder line?

```
>           1/4 wavelength           1/4 wavelength
>
>  -----
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  | 1/4 wl                             | | 1/4 wl                             | 1/4 wl
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     | | |                                     |
>  |                                     [ relay ]
>  |                                     SPST
```

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Sat, 12 Sep 1998 22:08:32 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Armstrongs" <barmstrong@mail.SISNA.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19978] Re: QRP contact
Message-ID: <005d01bdded4\$8e65a120\$315233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Do you still have the NERDS rules or know
>where they're posted? I deleted them and wouldn't know how to score my
>"entries" to submit!

Yes - You can see the rules at the web site listed at the bottom of this
message.
When you come to the first screen, look at the bottom right of the screen
and there is a hyperlink to the page with the NERDS rules.

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Sat, 12 Sep 1998 22:13:18 -0700
From: "Radman" <radman@best.com>
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19979] Re: Winding the "Big Ones" (B&W is alive !)
Message-ID: <199809130510.WAA20114@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Mike et al,

Amazingly, Barker & Williamson (B&W) is still alive and selling Miniductor, Aridux and various coil / antenna products. Check out their web page:
<http://www.bwantennas.com/index.htm>

When you get there, check out "Specials" which lists some 2" diameter stock that's half-priced (\$10 & \$15 per length). Their coil stock has always been a bit pricey for my tuner experiments, but some folks on the list might have interest. You can order directly from them. Phone: 407-639-1510. They take plastic. (Unfortunately, minimum order is \$50.)

Personally, I like to roll my own big coils. I use scrap wire, strips of Acrylic plastic and "creative" use of my Stanley hot-melt glue gun. You can use "found objects" for a form to wind the coil... Tupperware, soup cans, film canisters, etc. But, I really *love* hot-melt glue guns... you can do so many things with them for so little money.

Good luck. I hope you achieve perfect "balance" :-) !

72 - Conrad Weiss - NN6CW

Date: Sun, 13 Sep 1998 00:24:19 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19980] Re: Small loop beam ant?
Message-ID: <35FB5703.61821839@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Denton Bramwell W7DB wrote:

>
> When dealing with small loops, think in terms of milliohms, not ohms.
>

I agree. I have a little bit of information on small loops on one of my Web pages that may be useful:

<http://home.swbell.net/aa5tb/loop.html>

73,

Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Sun, 13 Sep 1998 00:38:13 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [19981] Re: Winding the "Big Ones"
Message-ID: <35FB5A45.7B30815F@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have seen B&W coils at the following outfit for years and I suspect they still have some. Here is the information I have for them:

City Electronics Supply
7015 Atwell
Bellaire (Houston), TX
(713) 663-6066

mikemo@ibm.net wrote:

> The construction notes say to use a B&W 3026 Miniductor stock. Is this
> the secret? Where does one get said "stuff"?

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Sat, 12 Sep 1998 23:35:43 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19982] B&W's apartment/travel antenna (?)
Message-ID: <199809130632.XAA03028@proxy4.ba.best.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

At B&Ws web page you'll find a description and drawings of their AP-10 "Window Antenna." It's essentially a telescoping whip with base-loaded coils, counterpoise wire and window-mounting bracket. It covers 40 thru 2 meters -- but, no WARC bands. Price is \$69.95 (US). I have never used one of these or heard of anyone using one. I'd be interested in comments from anyone who has. Could be useful for those needing a "hotel antenna" or a stealth for their apartment :-)

URL: <http://www.bwantennas.com/AP10INS.HTM>

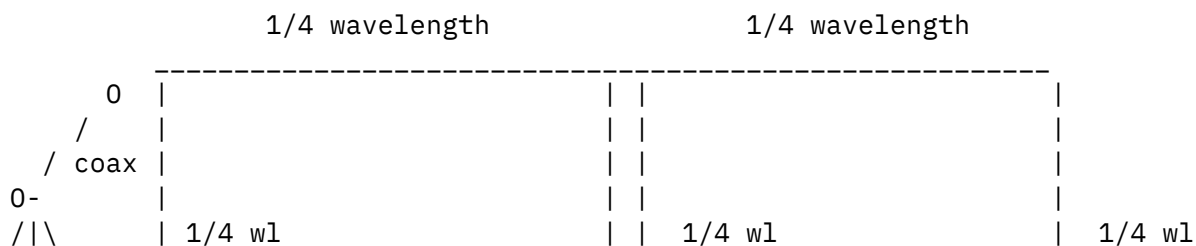
Thanks in advance,

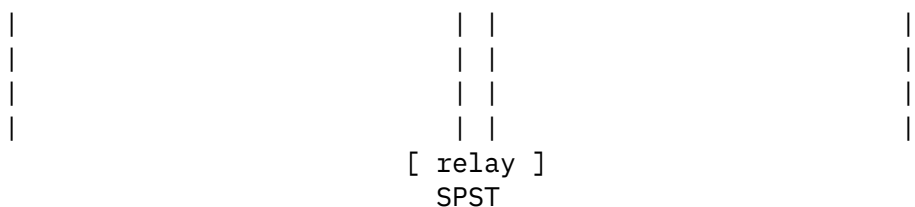
72 - Conrad Weiss - NN6CW

Date: Sun, 13 Sep 1998 04:56:25 EDT
From: w4pj@w4bkkx.ampr.org
To: bill@willapabay.org
Cc: qrp-1@Lehigh.EDU
Subject: [19983] Re: Bobtail (rotate it)
Message-ID: <21268@w4bkkx.ampr.org>

Thanks for you info on rotating the Bobtail curtain by using 450 ohm ladder line and the switch. It sounds like an interesting concept. As per your drawing, I wonder about the matching section device that is part of the original Bobtail Curtain antenna design - the one at the base of the center (driven) element

Are you concluding that this matching section is not longer required with the use of the 450 ohm ladder line?





CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
 ICQ me @ 8926298

 The bobtail is usually a three-legged creation.
 The Half-Square has only 2 vertical radiators.
 It is usually fed at the top of one of the vertical sections.
 Using 50 or 75 ohm coax, the center conductor attaches to the
 vertical section and the coax braid (shield) attaches to the
 phasing section. It can be fed at the bottom (current-fed)
 but that requires radials and perhaps a matching section. I know
 several who have used a Half-Square fed at the top corner without
 a matching section with predicted results (I haven't talked to
 anybody yet who has tried the "rotating" version).
 Please excuse my crude ascii drawing - lack of detail.

Good luck and let us know how it turns out. (I've been toying with
 the idea of building one for 18MHz but too many other irons in the
 fire right now.)

de Scott / W4PJ <EL96vd> Ft. Lauderdale, FL QRP-L#1585 (Pres. SFDXA)
 ----- 73 -----

 Date: Sun, 13 Sep 1998 06:27:36 -0400
 From: David Fouchey <dafouche@jax-inter.net>
 To: Denton@Bramwell.Org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [19984] RE: Winding the "Big Ones"
 Message-ID: <3.0.1.32.19980913062736.00834b60@jax-inter.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Denton it works like a champ, though I use a layer of wax paper so the Duco
 cement doesn't stick to the paper towel. Towel allows enough indentation to
 allow the pair of wires to stay in position. be very carefull when
 unwinding the unneeded wire from the form.

As for grinding rocks.....been a long time....<G>

Dave

wa4emr

At 09:39 PM 9/12/98 +0100, Denton Bramwell W7DB wrote:

>I don't remember the last time I saw Miniductor stuff for sale. I think
>it has gone the way of the buffalo.

>

>I've never done this, but the legend is that you can get good coils in
>the following manner: Get a dowel or rod of the proper diameter. Wrap
>a piece of paper around the dowel. Simultaneously, wind two coils, with
>the windings pushed snugly together. Firmly tie down both ends of one
>coil. Unwind the other. This leaves one nicely spaced coil on the form.
>Run a bead of Duco cement down the length of the coil. Let it set
>thoroughly. Turn the coil 90 degrees, and add another bead. Repeat
>until you have four beads of Duco (good electrical properties....
>basically polystyrene dissolved in solvent). Slip the assembly off the
>form, and remove as much of the paper as you conveniently can. Coil
>finished.

>

>NOW do you want to hear about lapping crystals to a new frequency? I've
>actually DONE that. :-)

>

>-----Original Message-----

>From: mikemo@ibm.net [mailto:mikemo@ibm.net]

>Sent: Saturday, September 12, 1998 9:04 PM

>To: Low Power Amateur Radio Discussion

>Subject: Winding the "Big Ones"

>

>

>In an attempt to acheive "balance" I started construction of a link
>coupled tuner. This design has one 48 turn coil that is seperated into 3
>different sections after it is wound. Ok, 48 turns of #14 solid wire, 8
>turns per inch, 2" in diameter. My attempts at winding this coil have
>all ended in frustration (made some cool copper slinkys though). Any
>secrets on an easy way to do this that provides good results?

>

>The construction notes say to use a B&W 3026 Miniductor stock. Is this
>the secret? Where does one get said "stuff"?

>

>Thanks and 72

>de ku4qo, Mike Maiorana, Palm Harbor, FL

>

>

>

Date: Sun, 13 Sep 1998 08:17:44 -0400

From: "John J. McDonough" <jjmcd@tm.net>
To: <Denton@Bramwell.Org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19985] Re: Winding the "Big Ones"
Message-ID: <199809131211.9783100@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Denton Bramwell W7DB <Denton@Bramwell.Org>; owner-qrp-1@Lehigh.EDU

> One friend (was that Alan Taylor? He was enough of a wildman.) tried
> etching quartz with hydrofluoric acid. Apparently that works well also,
> but HF is super nasty stuff.

Boys and girls -- don't even think about it! Super nasty doesn't begin to do justice to HF. This is definitely *NOT* something you want in your house. Remember, this stuff is so bad it will eat through a glass bottle.

HF has the especially annoying feature that it doesn't hurt nearly as bad as many other acids. But it also isn't phased much by skin and flesh - it will just keep drilling down until it reaches the bone. Having your bones dissolved isn't an especially fun thing, and you might not even notice you have it on you until the damage is done.

In plants where they make this stuff, they paint the flanges with a special paint that changes color if there's a leak. Even tho there's almost no chance of getting exposed, operators still wear full rubber suits just to walk through the plant.

Don't mess with this stuff!

72/73 de WB8RCR
didileydadidah

Date: Sun, 13 Sep 1998 08:00:14 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@Lehigh.EDU
Subject: [19986] qso
Message-ID: <21851-35FBC1DE-477@mailtod-132.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

wrkd co2az on 30 mtrs running 1 watt,nice sigs both ways...anyone have

the qsl mgr for co2az, tn timer 73 pat/k8len

Date: Sun, 13 Sep 1998 08:35:47 -0500 (CDT)
From: Roger Braker <msebraker@telepath.com>
To: mikemo@ibm.net
Cc: qrp-1@Lehigh.EDU
Subject: [19987] Re: Winding the "Big Ones"
Message-ID: <199809131335.IAA11392@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi,
What I did when I wound the coils for my antenna traps was use 2" PVC pipe. I put a bolt through both ends and "bolted" the wire to one end(wrapped the wire around the bolt and cranked on a nut). Then I wound it with some other wire for spacing as some others have mentioned(that kind of info is available in the more recent ARRL handbooks). I had the other end attached to the vice on my dad's workbench. If you don't keep it REALLY tight when winding it was tendency to slide around and stuff. When I got the desired number of turns, I wound the other end of wire around the remaining bolt and turned that nut on. This works best with a helper:-) I never took them off the form so they have PVC as a core. I don't think this hurts the operation much but I may be wrong. Somebody else out there may know a way to keep the coils from getting out of shape when you remove them??? By the way, I used about 14 gauge enameled wire. Hope this helps.

73,
Arnold kd5ckh

At 11:04 PM 9/12/98 -0400, you wrote:
>In an attempt to achieve "balance" I started construction of a link
>coupled tuner. This design has one 48 turn coil that is separated into 3
>different sections after it is wound. Ok, 48 turns of #14 solid wire, 8
>turns per inch, 2" in diameter. My attempts at winding this coil have
>all ended in frustration (made some cool copper slinkys though). Any
>secrets on an easy way to do this that provides good results?
>
>The construction notes say to use a B&W 3026 Miniductor stock. Is this
>the secret? Where does one get said "stuff"?
>
>Thanks and 72
>de ku4qo, Mike Maiorana, Palm Harbor, FL
>

>
>

Date: Sun, 13 Sep 1998 09:44:40 -0400
From: aa5yx@juno.com (John Harper AA5YX/2)
To: qrp-1@Lehigh.EDU
Subject: [19988] 11 to 10 conversion
Message-ID: <19980913.094441.9038.0.aa5yx@juno.com>

Could you make one more post to the group for the benefit of those of us who missed the details of this project, ie, which make/model CB does it apply to, etc....

Thanks,

John Harper AA5YX/2 (ex: KA5BBL, KI50W, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m, SST-20
<http://home.att.net/~j.harper>

>With the Fall building season rapidly approaching, it's time we got a move
>on the CB conversion kits. So, I would like to get a reasonably good count
>of how many boards and sets of parts to order.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 09:57:46 -0400
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19989] FS: Yaesu FT840
Message-ID: <002e01bddf1e\$7d0a93a0\$d4cd4e0c@ed>

Mint condition Yaesu with 500Hz filter option.

Front panel power adjust from 3 to 100W.

Looking for \$650 + ship (will entertain selling w/o CW filter).

Contact epacyna@worldnet.att.net

Ed, W1AAZ

Date: Sun, 13 Sep 1998 10:01:12 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: g3rjv@gqrp.demon.co.uk
Cc: QRP-L@Lehigh.EDU
Subject: [19990] Re: DDS VFOs
Message-ID: <19980913.100115.7574.4.N2TPA@juno.com>

George,
Any idea of the cost of this Kit?

Bill
N2TPA

"George Dobbs" writes:
>
>In SPRAT 97 [Winter 98] we will be featuring
>the latest DDS VFO designed by G4OPE
>and sold in kit form by Hands Electronics
>hands@rf-kits.demon.co.uk
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 09:54:59
From: Jim Pulliam <pulljim@mindspring.com>
To: qrp-L@Lehigh.EDU
Subject: [19991] Key FS
Message-ID: <3.0.1.16.19980913095459.14376868@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale. Bencher Straight Key, Black Base. \$50 I Ship. There are no

scratches or marks of any kind on this key, it is as new. Thanks.

Date: Sun, 13 Sep 1998 10:58:27 -0400
From: billrobb@net-link.net
To: QRP-L@Lehigh.EDU
Subject: [19992] FS: Mini Key
Message-ID: <199809131458.KAA21064@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a small military key just perfect for qrp/backpack work. It is prewired and all you need to add is the radio plug. The top cover slides off. Also has a leg strap in stunning military green.

\$40 shipped

I also have one without the top slide cover.....\$30 shipped.

Thanks

Bill

Heathkit Collector
WA8CDU Formally WN8CDU

Date: Sun, 13 Sep 1998 10:30:25 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-l@Lehigh.EDU
Subject: [19993] 15 meters
Message-ID: <Pine.LNX.3.96.980913102703.875A-1000000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy you sure can never tell by the noise level that a band is open. it was not qrp but I was on 20 and before shutting down I decided to pop up to 15. Heard a weak, make that only, signal, twas amtor. worked g0nxi near plymouth england a few minutes ago with my 40 meter dipole on amtor. band held out for about 15 minutes were finishing up when we both fell into the noise apparently. I could just hear him in the static but not well enough to break the link clean.

You just never know unless you make a call I guess.

bob

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com
WD9EKA | Marshall, IL 62441 |

Date: Sun, 13 Sep 98 09:32:00 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19994] NERDS Contest - The Bands Stunk! (or was it my antenna?)
Message-ID: <199809131532.KAA27115@endeavor.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: quoted-printable

All - I have never worked so hard for so few contacts in a contest =
before. 25 contacts with 12 States, and 4 NW QRP members, all in 5 =
hours of operating. For the first time I can remember I did not work =
a single AZ SQRPion!! And I had worn my special Ft. Tuthill SQRPion =
shirt that Bob and Bertie were so kind to give me for talking at Ft. =
Tuthill.

I operated from the Angel Peak Recreation Area, Cliffview Picnic =
Area, overlooking Kurtz Canyon. A nice spot with 300 to 500 ft =
dropoffs from the NW to the NE. I erected my antenna on the edge of =
the cliff of course.

I had originally planned to use the 200 ft wire allocation as a long =
wire and the transmission line (twin lead) as counterpoise (radials). =
I found out that my Aluminum/fiberglass pain roller extension that I =
use as a mast would not support the tension required to hold up 200 =
ft of #14 THHN wire. I had to cut it back to 130 ft, erected as an =
inverted L.

Lesson #1 - Pay attention to the mechanical details.

I also discovered that I had forgotten my step stool so I could not =
use the picnic shelter to partially support the mast. I also then had =
trouble erecting the mast by my self. I had to settle for a slightly =
inferior location next to a chain link fence.

Lesson #2 - Make a check list.

Anyway I got everything up and operating at 1830 only a half hour = late! Then I started tuning up, using an old Millen Transmatch=81 = left over from my Novice days. I realized that I had forgotten my = noise bridge which would have made things much easier. That check = list again.

My first contact was N7MFB, followed by KB7MBI, but there appeared to = be little contest activity. I guess people don't like to build their = own antennas for a contest. Skip was short on 20 M , due in large = part to my antenna only being 20 ft off the ground, and I worked = several Texans and Missourians early. I made only one contact on 15 = M, N4FNG, and none on 40 M and 10 M. I had a lot of QRN from thunder = storms in the area and that didn't help much, particularly on 40 M. = Signals were very weak on 40 M, stronger on 20 M, but htere was a lot = of QSB.

The high point was working AL7FS in AK with an hour to go in the = contest. I was 229 and he was 339, but we made a go of it. Up until = then I was beginning to doubt my choice of antennas/location.

The band lengthened as the day progressed and I worked WA1QVM in MA, = and N4ROA in VA.

I had a ball and am looking forward to the contest next year. I hope = that more people will participate as it is a challenging experience = and requires much more effort than the typical contest. I find those = things that require more effort to be more rewarding. Give it a whirl = next year.

Must go for breakfast now. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

Date: Sun, 13 Sep 1998 11:53:42 -0400
From: joel malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: malman@world.std.com
Subject: [19995] Fun with QRP SSB
Message-ID: <199809131553.AA15309@world.std.com>

Folks,

With all the phone based contests going on this weekend, I decided to have some QRP SSB contest fun last night.

The rig is an Index QRP+ and the antenna is a full size G5RV hidden in the woods behind my condo. I tuned up the QRP+ in the middle of the 20m SSB band. With the rig in CW mode the WM-2 wattmeter says I'm running 4 watts so there is not much output power to the antenna on SSB voice peaks!

I figured the only way this is going to work is to wait till the band has a chance to quiet down. I wait till 0230z. Then I start to tune around 20 meters ... the NA Sprint is still active and 20 meters is quite long. Hummm, there are W6's stations begging for a contact: "Any station, anywhere", they say ... Nothing about how much power you have to be running.

I call K6LA, not expecting that he will hear me. He does! First SSB QRP contact of the night: MA to California. It felt pretty good. Next up K6NA, K4XS, WB0o, N6RT, and N5NU. Amazing, all QRP SSB, all within 30 minutes.

Geee, this QRP SSB stuff is fun! Next up EA6BH in the Worked All Europe contest, got him ... After that, I tried a few LY and RA stations, but the QRP signal was probably just too weak for them to hear. Latter on I did work IR4TT on 15 meter QRP SSB, but that is probably just about as far as the QRP signal seems to be able to reach.

Ahhh, QRP ... what fun.

72's

/joel wa1qvm (Concord, Mass)

Date: Sun, 13 Sep 1998 02:00:24 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [19996] N2T0/Vanity Calls/and a few good calls
Message-ID: <199809131551.LAA24832@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

A few calls I like:

K2HCP - K2 Hot Chilli Pepper - Vin from Brooklyn. My favorite on phone.

WW2W - my pal Tony Whiskey Whiskey 2 Whiskey, issued by the FCC not vanity.

N4BP - Nancy 4 Baked Potato - Bob. That one caught my attention in a recent phone contest.

Tony wanted the Brooklyn QRP Club to go with N02M; No 2 Meters, but we decided to go with KK2X, great with paddles.

I was into radio as a kid in 74. Dropped out of it and glad I got back into it in 94. I wanted a 2x1 or 1x2 that the hams were getting back then, and I believe you could have gotten one you wanted for the asking if you were an Extra Class ham. I read an old QST article about hams who wanted the best call possible. I think W1AW wanted W1AA, left early to get on line and found that there was already a line in front of him (hence the AW suffix). May not have had the prefix yet, Ed Hare and Mike Tracy can verify that one, think I have it right. Seems like a lot of hams have always wanted the best call for them since day one.

I was issued KB2TE0, which was good on CW. Was going to keep it, but didn't want to kick myself later on if the Vanity program was dropped and/or the calls I would have liked were gone.

It's a good idea to call the FCC (800-Call-FCC) to see if the call is in fact available now before asking for it.

N2T0 was my fifth choice. I chose it since it has some of the original suffix and great on CW. Worked out well.

GL

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sun, 13 Sep 1998 11:35:03
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [19997] Re: Winding the "Big Ones"
Message-ID: <3.0.3.16.19980913113503.2c571944@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's another way you might make a "mini-ductor" coil

Cut four "rails" from a length of PVC pipe, maybe 1/4" wide

Attach them to another length of PVC pipe, evenly spaced around the pipe.
(make them longer than needed and simply tape the ends to the PVC "form")

Now wind your coil, using a second wire to space the windings. Wire from
#12 or #14 house wiring would be good. Secure the ends of the coil wire.

Remove the spacing wire.

Secure the coil wire to the rails. One could carefully melt the wire into
the rails with an iron, then tack some glue over the 'weld' to help hold
the wire in place.

Remove the PVC form.

Plan on doing it twice, once to get the hang of it. Should end up with a
reasonably rugged coil.

Good luck...

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sun, 13 Sep 1998 12:55:18 -0500 (CDT)
From: John Bohnert <johnb@elmhurst.edu>
To: qrp-l@Lehigh.EDU
Subject: [19998] QSL HB0/HB9LEY
Message-ID: <Pine.SV4.3.96.980913125303.16559C-1000000@elmhcx9.elmhurst.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Lost original message. QSL via JH1BSE

Gud hunting....

72 John N9KW QRP-L 1257 NORCAL Elmhurst, IL

Date: Sun, 13 Sep 1998 12:35:48 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [19999] RE: Winding the "Big Ones" (B&W is alive !)
Message-ID: <5103124387F8D11199DD00A0C925E4B91649@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

Not to give offense to anyone using PVC for a coil form.... However, this is not a good choice of material. A QRP rig may not generate enough energy to cause noticeable heating, but the material is quite lossy, as is ABS. The person that suggested Shoe Goo used a good test: pop it in the microwave, and see if it gets hot.

And the persons warning against HF make a good point. It is incredibly nasty stuff. Of course, in those days, we were in college, and indestructable, with access to chemicals.

-----Original Message-----

From: Radman [mailto:radman@best.com]
Sent: Saturday, September 12, 1998 11:13 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Winding the "Big Ones" (B&W is alive !)

Mike et al,

Amazingly, Barker & Williamson (B&W) is still alive and selling Miniductor, Aridux and various coil / antenna products. Check out their web page:
<http://www.bwantennas.com/index.htm>

When you get there, check out "Specials" which lists some 2" diameter stock that's half-priced (\$10 & \$15 per length). Their coil stock has always been a bit pricey for my tuner experiments, but some folks on the list might have interest. You can order directly from them. Phone: 407-639-1510. They take plastic. (Unfortunately, minimum order is \$50.)

Personally, I like to roll my own big coils. I use scrap wire, strips of Acrylic plastic and "creative" use of my Stanley hot-melt glue gun. You can use "found objects" for a form to wind the coil... Tupperware, soup cans, film canisters, etc. But, I really *love* hot-melt glue guns... you can do so many things with them for so little money.

Good luck. I hope you achieve perfect "balance" :-) !

72 - Conrad Weiss - NN6CW

Date: Sun, 13 Sep 1998 13:50:47
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [20000] Re: 11 to 10 conversion
Message-ID: <3.0.3.16.19980913135047.2dbfb5b6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>>Could you make one more post to the group for the benefit of those of us
>>who missed the details of this project, ie, which make/model CB does it
>>apply to, etc....

>

The conversion board is designed to be used with the Maxon CBM-30
(Wal-Mart, \$34.96) or the Radio Shack 21-1701 (on sale for \$34.95) Or other
CB's that use the C5122 PLL chip.

>

Conversion consits of removing the PLL chip and a few assciated parts,
replacing the PLL with some SIP jacks for the conversion board to plug
into. There are a couple of minor changes to the Tx chain and a few coils
to retune.

The converted rig will now tune 29.000 to 29.500 Mhz in 5 Khz steps. Power
output about 5 watts.

>>One other question. What kind of test equipment will I need to setup this
>>project?

>

About all you'll need is a power meter / dummy load or a diode RF probe and
a DVM. A signal source of 29-29.5 Mhz would be handy for peaking up the Rx
input coil. A frequency counter and/or scope might be handy if you run
into trouble for some reason.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sun, 13 Sep 1998 16:07:03 +0000

From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-1@Lehigh.EDU
Cc: benmail@erols.com
Subject: [20001] 1998 Gaithersburg,MD Hamfest - the last one.
Message-ID: <35FBEDA4.280@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I just got back from the Gaithersburg Hamfest. I have some personal views of this event.

Over the years I have attended this Hamfest and found it to be most enjoyable. Lot's vendors, tailgaters, and other activities. Even some QRPers would show up at a table. Recently, over the last few years I have noticed a drop off in the number of ham radio vendors and a increase in computer and related suppliers. This year there was paucity of even computer vendors. Tailgaters may have dropped off also?

I discussed this with one of the vendors at the hamfest and he said."the ham radio market has changed and that it is not profitable anymore. That is the reason why the number of vendors at this hamfest has decreased." (Here in the Washington, DC area two hamradio dealers have ceased operations.) He also said the reason the Gaithersburg Hamfest (which is really the Foundation for Amateur Radio hamfest) is moving to Bowie, MD next year is that the cost of renting the Montgomery County Fairgrounds was too costly. Too bad.

I hope the Bowie venue in 1999 will stimulate a larger crowd and more electronic and hamradio vendors to show up.

Is there a drop off in hamradio in general? Are we hams being bypassed by cell phones, the Internet, computer games or other activities. Will the rising sunspot numbers stimulate more activities?

72 & 73,

Ben, K3BP

Date: Sun, 13 Sep 1998 13:07:38 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp <qrp-1@Lehigh.EDU>

Subject: [20002] Pspice URL
Message-ID: <19980913200738.5961.rocketmail@send1e.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

To order the demo Pspice CD from ORCAD try this url;

http://www.orcad.com/products/cddemo4_f.htm

I hope the formating is better than the previous message I sent!

Jeff
AB6MB

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 13 Sep 1998 16:27:21 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [20003] Resistor Question
Message-ID: <199809131627_MC2-5952-417A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi there,

I know of no reason why you cannot mix carbon composition and metal oxide= film resistors --- unless tolerances are important. Generally speaking the modern film oxide resistor is a closer tolerance than older carbon composition types, and even 5% types will be nearer to 2% than 5%.

They are usually smaller, and fit modern PCB's better. Also, be aware that they (metal film) can be inductive at certain frequencies due to the fact=

that the film may be deposited in a groove cut helically round the body of
the resistor, and thus will act like a coil under certain circumstances.
Moral, don't use them for dummy loads or any other application where they
could radiate.

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Date: Sun, 13 Sep 1998 16:01:23 -0400
From: w4bws@juno.com (Donald E Sanders)
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [20004] Re: Small loop beam ant?
Message-ID: <19980913.162732.4046.1.w4bws@juno.com>

Yes Steve, but remember that small loops are magnetic and radiate in the
plane of the loop. Therefore you will have to put the loops "in-line"
laying flat in the same plane and spaced correctly to add the vectors
correctly.

Donald Sanders W4BWS
W4BWS@juno.com
My favorite QRP rig glows in the dark

On Sat, 12 Sep 1998 14:23:01 Steven Weber <kd1jv@moose.ncia.net> writes:
>Another crazy idea..
>
>Would it be possible to make a beam antenna with a small cap loaded Tx
>loop by adding a second loop behind the first? Sort of like a quad but
>smaller?
>

>Steve, KD1JV....In the White Mountains of New Hampshire
>
>"Melt Solder"
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 16:40:13 -0400
From: w4bws@juno.com (Donald E Sanders)
To: benmail@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [20005] Re: 1998 Gaithersburg,MD Hamfest - the last one.
Message-ID: <19980913.164405.4046.3.w4bws@juno.com>

I attended the Melbourne, FL hamfest this weekend and it had the lowest attendance in many years (and the best weather-no Rain). The attendance was down about 30 to 40 percent and by 2 PM Saturday was down 80-percent. They are considering having just Friday evening and Saturday next year. I also noticed that the young people were looking for VHF/UHF not HF or QRP gear. Lucky for me I had 50 of my 145-148/440-450 dual bander antennas that sold out at 15.00, usually 19.95, and it was profitable. Couldn't give away the TS520's, 2 of em, from estate sales. Not even an interest. But sold 2 handheld RS 202's for 100.00 each. I guess the hobby is changing again-maybe everyone stayed home to read the Starr Report.

Donald Sanders W4BWS
W4BWS@juno.com
My favorite QRP rig glows in the dark

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 13:58:27 -0700
From: "Cho" <sungch@earthlink.net>
To: <qrp-1@Lehigh.EDU>

Subject: [20006] Inverted vee feed line

Message-ID: <001001bddf59\$425fcd20\$e8ca2599@sungch.nwlink.com>

Hello all,

I'm going to put up multiband inverted-V dipole antenna and read books for it. The ARRL HANDBOOK and The ANTENNA BOOK have the different explains for feed line so I'm quite confused. Should I use 300 ohm ribbon cable or coax?

Thanks in advance,

73's n7zei, Yong.

Date: Sun, 13 Sep 1998 15:11:10 -0600 (MDT)

From: af852@rgfn.epcc.edu (William R Colbert)

To: qrp-l@Lehigh.EDU

Subject: [20007] Re: B&W's apartment/travel antenna (?)

Message-ID: <199809132111.PAA28471@rgfn.epcc.edu>

I had a friend that moved into an apartment many years ago and upon doing so, purchased the B&W apartment/travel antenna. This was when they first came out. He really had no choice since there were no outside antennas allowed. The antenna at that time consisted of a small whip similar to an automobile antenna, telescoping type, with a base loading coil, clip lead and a counterpoise wire that was marked off by band, with the longest being for 40 meters - had to run it down the hall!. The antenna was not a very efficient device - and even with 100 watts contacts were very few and far between. He later sneaked a small piece of enameled #24 wire out to the rain gutter down spout and it worked much better. With the tapped coil, there is no reason that warc bands could not be covered. I would suggest that the tuned radial system be made with several individual radials cut for the bands of interest, then tap down or up the coil for the proper match. Most of the parts except for the coil could probably obtained at the local R/S - and the coil could be wound from the R/S #16 or 18 solid wire used for wirewrap projects. Considerably cheaper than the 60 or 70 bux so quoted. Keep in mind that tuning will be quite sharp and restricted. GL

--

Ray Colbert, W5XE

00TC 3618, SOWP 1064M

El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Sun, 13 Sep 1998 16:54:57 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [20008] QRP vs "Powa!"
Message-ID: <19980913.165505.11710.0.nilsbull@juno.com>

Gang,

Thomas Conley, who has nothing better to do with his free time than to paint houses for people who can't figure out which end of the paintbrush to pick up, came over to the house Saturday morning with his colleague, Jeff, to start the massive job of painting the livingroom. Some day I'm gonna find Bob Vila and strangle him at the top of the pyramid & cut his heart out with an obsidian ceremonial knife. The streets will flow with the blood of nonbelievers.

RRRRRRappa papa paaaa!

Anyway, while Thomas & Jeff are doing this, all the furniture is either out of the room or it is in the middle of the room, covered with drop cloths. That's the hifi set, the TV & all the other accouterments of civilized gringo living. Which means that there's no TV, no radio, no CDs, no VHS tapes, no nada.

So last night as we went out to eat, Cindy sez: "Poppa can use his 'big hootie power' tonight."

"My what?" I asked.

"Your 'big hootie power.' Your radio stuff. You can't mess up the stereo or mess up the TV or whatever. You can use your 'big hootie power.'"

Andy by this time was rolling in laughter within the confines of the back seat seat belt restraining doodad.

I was ready. "Yessah! I'm gonna go down 'n see thu gypsy woman! I'm gonna get my onion skin. I'm gonna get my lizard feet. I'm gonna get my turtle shell. I'm gonna get my Doctor John the Conqueror Root & my snake eyes & my fishin' chips & my badger ointmen'! 'Cause tonite, I'm gonna use MY BIG HOOTIE POWA! Yessah! Can I get a witness?"

All I needed was the cape, the microphone & the band. Yeeeow!!!!

Instead I came home & fixed the sash cords in the living room windows

that we've kept open with long sticks for nearly 13 years now. Then I got out my turtle shell & my onion skin & my lizard feet & my magic powder & my badger ointment! Yessah! I was usin' my BIG HOOTIE POWA!

At least until I remembered that I had to get up in the morning & finish the damn windows. Like I said, Some day I'm gonna find Bob Vila and strangle him at the top of the pyramid & cut his heart out with an obsidian ceremonial knife. The streets will flow with the blood of nonbelievers.

RRRRRRappa papa paaaa!

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 17:36:33 -0400

From: Rich Bachmann <bachmann@ari.net>

To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>

Subject: [20009] FS: antenna book

Message-ID: <01BDDF3D.0EB76120@ppp_bach.ari.net>

For sale:

HF Antennas for All Locations, by Les Moxon, second edition. Published by RSGB. From the Maryland Radio Center Reference Library. Good condition, \$13 shipped.

73, Rich, N3SLR

bachmann@ari.net

Date: Sun, 13 Sep 1998 16:42:57 -0500
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [20010] Pixie - Finally me too!
Message-ID: <35FC3C61.9F5572B2@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi folks - Was kinda bored last night, so started lookin' round the web... wonder if Chuck's page is still there... yep... Pixie.. heard of that, wonder if it works on 40 meters? (I didn't follow any of the Pixie stuff on the qrp-1). Hey, here's a schematic.. yep, does 50 meters. Well, not too many parts. Printed it off for 'future' reference.

Then, surfing a bit more, stumbled onto Ed's page (we6w) (weeb6wats). Hey, he did some pixie stuff too.. looks like good comments.. print for 'future' use.

Ok, after lunch this afternoon, got kinda bored.. didn't want to start painting the inside of the house yet (for future possible sale)... BTW, anybody wanna buy a really great QTH for fox hunting??! I'll throw in the Phased Verticals too!!

Anyhow, walked out to the shop, and started to look around for stuff to make a Pixie. Wudda you know, I got all the parts, even found an LM386! Built the osc..the scope says there is 7051 stuff there.. then built the final... looks good on the scope (after the filter). About 250 mW. Now, add the audio stage,,, power it up.. ECCCH!!!

Oh yeah, direct conversion, no usie power supply... only batteries.

Hey, I hear a couple of guys talking... I didn't do the offset mod that was shown in the schematic, but I did add a 300 pF variable to let me tune around some. They guys sign, while I do a little clean up... I set the cap to the mid point (so I can tune to either side), and call CQ... WHOOP!!! K5DOA comes back to me, and we chat for about 20 minutes! I'm impressed!! Ham radio at it's best.

If you want to see a picture of the 'finished' UGLY Pixie, look at: www.inetport.com/~tahrens/pixie.jpg.

That was a lot of fun!

Hmmmm, wonder how well I could do in the foxhunts with a pixie, and a couple of crystals?!!! Nah, too easy! :-)

Thanks to all who put out all the info on the Pixie.

Tim W5FN

Date: Sun, 13 Sep 1998 18:11:32 -0400
From: "Beaks" <beaks@westco.net>
To: <benmail@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20011] Re: 1998 Gaithersburg,MD Hamfest - the last one.
Message-ID: <001a01bddf63\$77f5dd80\$974ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmmmm, was at the Wheeling,WV hamfest on Saturday and pretty much the same story...Perfect day weather wise and looked to be only about half as much space being used as last year. Very few new dealers, lots of CB stuff and computers. Only QRP item was a Heath QRP wattmeter. Everyone looking and no one buying anything it seemed. About noon the banners and signs were coming down as what few dealers that were there had already packed it in. Lots of great HF gear sitting in the tail gate area and no interest. Only a few teens or younger types there and they were all looking at software. The WV state ARRL convention/hamfest in August at Jackson's Mill was even worse. Only one new equipment dealer showed up (a local) and sold some 2 meter stuff and that was it. It also fizzled out about 10 AM. Used to be a 2 day event, now down to about 3 hours if that. Its getting so its not worth the drive to the hamfests and I'm sure the dealers are feeling the same way.

Arch N8EAG

-----Original Message-----

From: Benjamin F. Poinsett <benmail@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, September 13, 1998 4:05 PM
Subject: 1998 Gaithersburg,MD Hamfest - the last one.

>Hi gang,

>

>I just got back from the Gaithersburg Hamfest. I have some personal
>views of this event.

>>Ben, K3BP

>

Date: Sun, 13 Sep 1998 18:13:59 -0400
From: "Larry Laffoon" <w3rl@email.msn.com>
To: <qrp-1@Lehigh.EDU>
Subject: [20012] ARGO and LDG sold!
Message-ID: <002401bddf63\$cf8072e0\$02f52299@rlaffoon>

I wanted to thank all of you who have sent Emails regarding the sale of my Ten Tec ARGO 556 and the LDG auto-tuner. They have both been sold. Thanks all! Larry

Date: Sun, 13 Sep 1998 18:11:42 -0400
From: Rich Bachmann <bachmann@ari.net>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [20013] FS: antenna book
Message-ID: <01BDDF41.F776ACA0@ppp_bach.ari.net>

The book, HF Antennas for All Locations, has been sold.

73, Rich, N3SLR
bachmann@ari.net

Date: Sun, 13 Sep 1998 16:26:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Nils R Young <nilsbull@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20014] Re: QRP vs "Powa!"
Message-ID: <Pine.LNX.3.95.980913162450.23950A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....and I thought MY mind used to go bonnkkkkerss every now and

then...poor Nils....we must all support him in his hour of need...I fear for the *permanacy* of his present mind mode....he's finally done a "mind meld" on himself!....72 - Bruce(VE5RC+VE5QRP)

Date: Sun, 13 Sep 1998 16:56:49 -0600
From: Mike - W0TMW <crucis@sky.net>
To: kfglynn@prodigy.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20015] Re: N2T0/Vanity Calls/and a few good calls
Message-ID: <35FC3FA1.4A92E71D@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

care to include mine???

W0TMW --- W Zero Tem Milli Watt.

Mike - W0TMW

Kevin F. Glynn wrote:

>
> Hi gang,
>
> A few calls I like:
>
> K2HCP - K2 Hot Chilli Pepper - Vin from Brooklyn. My favorite on phone.
>
> WW2W - my pal Tony Whiskey Whiskey 2 Whiskey, issued by the FCC not vanity.
>
> N4BP - Nancy 4 Baked Potato - Bob. That one caught my attention in a
> recent phone contest.
>
> Tony wanted the Brooklyn QRP Club to go with N02M; No 2 Meters, but we
> decided to go with KK2X, great with paddles.
>
> I was into radio as a kid in 74. Dropped out of it and glad I got back
> into it in 94. I wanted a 2x1 or 1x2 that the hams were getting back then,
> and I believe you could have gotten one you wanted for the asking if you
> were an Extra Class ham. I read an old QST article about hams who wanted
> the best call possible. I think W1AW wanted W1AA, left early to get on
> line and found that there was already a line in front of him (hence the AW
> suffix). May not have had the prefix yet, Ed Hare and Mike Tracy can
> verify that one, think I have it right. Seems like a lot of hams have

> always wanted the best call for them since day one.
>
> I was issued KB2TE0, which was good on CW. Was going to keep it, but
> didn't want to kick myself later on if the Vanity program was dropped
> and/or the calls I would have liked were gone.
>
> It's a good idea to call the FCC (800-Call-FCC) to see if the call is in
> fact available now before asking for it.
>
> N2T0 was my fifth choice. I chose it since it has some of the original
> suffix and great on CW. Worked out well.
>
> GL
>
> 72 Kevin N2T0
> Brooklyn, NYC
> kfglynn@prodigy.net

--

```
=====
Mike Watson, WOTMW           QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis/linklist.htm
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

Date: Sun, 13 Sep 1998 22:53:50 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20016] Antenna? did some say "Antenna"?
Message-ID: <36064961.41757995@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's a nifty QRP array. I'm reading this off a QSL card I received a while ago (from Finland).

Ahem:

I quote:

"The array is built by using 6n element yagis in a 6 by 6 over 6 by 6 over 6 by 6 configuration. The boom length of the yagi is 50'. the verticle and horizontal spacing between teh yagis is 63'. The rotatable 200' tower

weighs about 300 lbs. and is rotated by a 1.8 kW electric motor on it's base. this is controlled by a (computer) that will ultimately automatically attenuate interference. The yagis are fed seperately by approx 1/4 mile of RG17U."

I got this card in 1977. Does anyone remember the builder? He claimed this was the largest amateur antenna in the world.

H'm, I suppose that WOULD be better than my 100' slantwire.

72 de Nat KM5QU
Oxford AR

Date: Sun, 13 Sep 1998 15:47:21 -0700
From: we6w@juno.com
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [20017] Re: Winding the "Big Ones"
Message-ID: <19980913.155839.3846.0.we6w@juno.com>

Good Show Steve. This reminds me of the Basket-Weave technique using nails. There were a few articles in one of the magazines at work describing the method.

Basically and odd number of nails and skip every other nail as you wind. (The nails are in a board set apart to the required diameter.) The Q of these were very good.

And you remove a nail or two and the whole thing releases.

Sounded real good. I have the articles buried around here somewhere... Probably next to that winning Lottery ticket :)

72/Ed WE6W Santa Rosa, CA

On Sun, 13 Sep 1998 11:35:03 Steven Weber <kd1jv@moose.ncia.net> writes:
>Here's another way you might make a "mini-ductor" coil
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 13 Sep 1998 15:57:30 -0700
From: we6w@juno.com
To: tahrens@inetport.com
Cc: qrp-l@Lehigh.EDU
Subject: [20018] Re: Pixie - Finally me too!
Message-ID: <19980913.155839.3846.2.we6w@juno.com>

Congrats, Tim!! Hey, check out the Spring 1998 issue of QRPp magazine. My article and Schematic of My award winning Contest Pixie2 is on the back of the Foldout in the center. (They had to hide it cuz of the mobs who'd KILL to get that issue if they only knew..... :) :)

Someday I'll get that schemo. scanned in.

I spent my first 2 months on the PIXIE2 ONLY in 1997 when I "Really" started my ham radio adventure. Sure is nice to be out of the Ant. restricted Condo!

enjoy OM.

-Ed

On Sun, 13 Sep 1998 16:42:57 -0500 Tim Ahrens <tahrens@inetport.com> writes:

<snip>

>

>Then, surfing a bit more, stumbled onto Ed's page (we6w)

>(weebie6wats).

>Hey, he did some pixie stuff too.. looks like good comments.. print

>for 'future' use.

>

<snip>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

End of QRP-L Digest 1213

